

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Khaira	Gram Panchayat	Sarkona

Work Code	OD/346/3304/275591/393414/00063492 (Khaira Fatepur main road to Mukunda Nayak house at Kendubhadali)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Khaira	Proposal Date	16-07-2024
Date of Commencement	-	Date of Completion	
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
Project Sub-Category	CC Road	Project Type	New Work
Name of Executant			

### Administrative Approval Details

Approval No.	
--------------	--

### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	202038

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

1	<p style="text-align: center;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	Cum	2.186623296	240.77592	526.48623578783
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b>  Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	11.14075224768	1661.251232	18507.588396865

3	<p style="text-align: center;"><b>Concrete (AR0303a) :</b>  <b>Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	14.062080971136	6731.2476867	94655.350007147
4	<p style="text-align: center;"><b>Concrete (AR0307a) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum -</b>  Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete as per specifcaion and direction of Engineer-in charge.</p>	Cum	10.1693557504	8000.4232009	81359.149683706

5	<b>R.C.C. Work (AR0410c) :</b> <b>R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b> - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	Sqm	27.858915513	216.23489289764	6024.069612198
<b>Total Amount (in Rs.): 201072.6439357</b>					

#### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b> - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge	-	2.186623296	Cum
i	Un-Skilled	0.516	1.128297620736	-

2	<p><b>Earth Work (AR0115)</b>  <b>: Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	11.14075224768	Cum
i	Un-Skilled	0.1236	1.3769969778132	-
3	<p><b>Concrete (AR0303a)</b>  <b>: Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b> Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	14.062080971136	Cum
i	Un-Skilled	3.9	54.84211578743	-
ii	Skilled	0.18	2.5311745748045	-

4	<p><b>Concrete (AR0307a)</b>  <b>: Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum -</b> Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	10.1693557504	Cum
	i Un-Skilled	4.6	46.77903645184	-
	ii Skilled	0.68	6.915161910272	-
5	<p><b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	-	27.858915513	Sqm
	i Semi-Skilled	0.05	1.39294577565	-
	ii Skilled	0.05	1.39294577565	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	104.12644683782	462	48106.418439073
2	Skilled	10.839282260726	562	6091.6766305283
3	Semi-Skilled	1.39294577565	512	713.1882371328
<b>Total:</b>				<b>54911.283306734</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge	-	<b>2.186623296</b>	Cum
2	<b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.	-	<b>11.14075224768</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	11.14075224768	1 Cum

3	<p><b>Concrete (AR0303a)</b>  <b>:.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	<b>14.062080971136</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	32.202165423901	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	6.7497988661453	1 Cum
iii)	<b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)	0.96	13.499597732291	1 Cum.
4	<p><b>Concrete (AR0307a)</b>  <b>:.Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum -</b> Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	<b>10.1693557504</b>	Cum
i)	<b>BRM057</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve)(Hand broken)	0.9	9.15242017536	1 Cum.
ii)	<b>BRM340</b> : Cement	3.23	32.847019073792	1 Qntl.

iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	4.57621008768	1 Cum
5	<b>R.C.C. Work (AR0410c) :-R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	<b>27.858915513</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.07438330441971	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.510223354638	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	11.14075224768	1 Cum	1145.45	12761.174662105
2	<b>BRM340</b>	65.049184497693	1 Qntl.	561.987	36556.796048305
3	<b>BRM028</b>	11.326008953825	1 Cum	1150.39	13029.327440391
4	<b>BRM045</b>	13.499597732291	1 Cum.	1466.99	19803.774877293
5	<b>BRM057</b>	9.15242017536	1 Cum.	1729.63	15830.300507908
6	<b>BRM104</b>	0.07438330441971	1Cum.	58573.086	4356.8596867399
7	<b>BRM092</b>	3.510223354638	1Mtr.	229.106	804.21323188769
<b>Total: 103142.44645463</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	11.14075224768	1 Cum	442.25	4926.9976815365
2	<b>BRM028</b>	11.326008953825	1 Cum	442.25	5008.9274598292
3	<b>BRM045</b>	13.499597732291	1 Cum.	1125.5	15193.797247693
4	<b>BRM057</b>	9.15242017536	1 Cum.	1125.5	10301.048907368
<b>Total: 35430.771296426</b>					

**Total Net Amount (in Rs.): 201072.6439357**